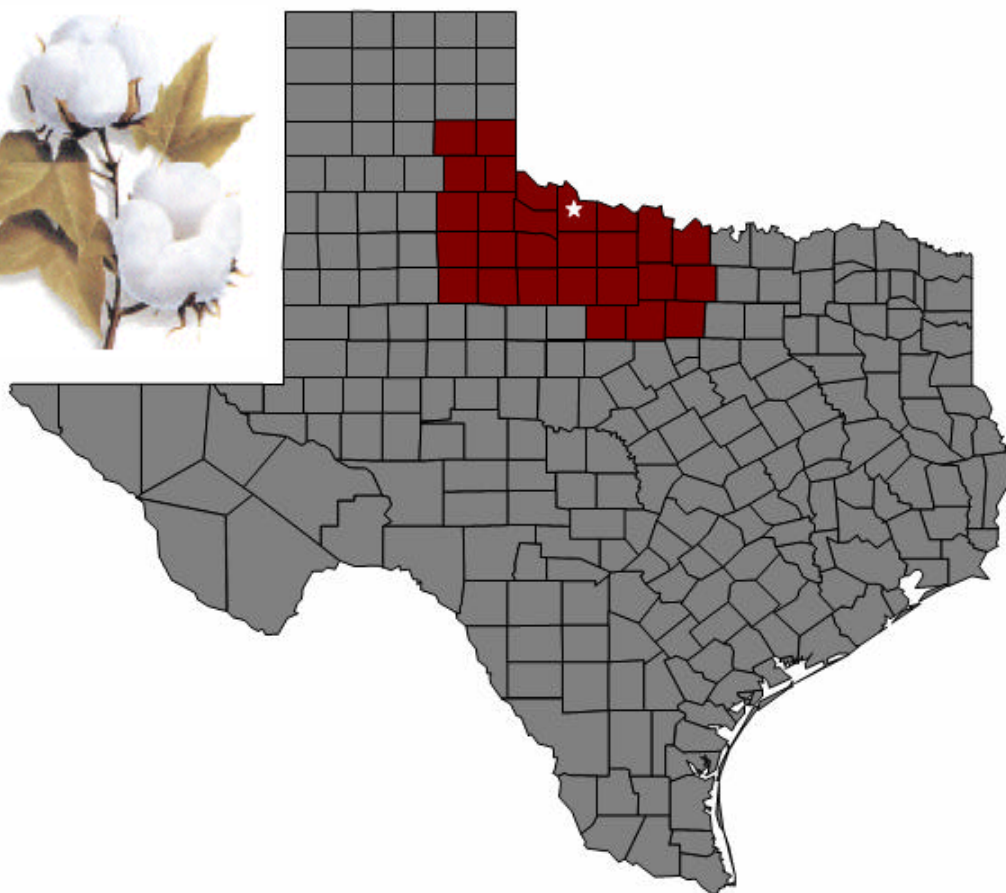


# ROLLING PLAINS

1999 - 2003



# COTTON VARIETY TRIALS

Vernon Center Technical Report #2004-01

## **FOREWORD**

This report summarizes the 1999 - 2003 cotton variety trials that were conducted at the Texas Agricultural Experiment Station near Chillicothe and Munday, Texas. The information given herein is for educational purposes only, and may not be reproduced without permission. Reference to commercial products or trade names is made with the understanding that no discrimination is intended and no endorsement by the Texas Agricultural Extension Service or Experiment Station is implied.

Research methods are outlined for each of the trials that were conducted. All varieties within a trial were treated with the same herbicide and insecticide program. Appropriate statistical analysis was used for each trial. The cotton variety trial at Munday is conducted under subsurface drip irrigation. The cotton variety trial at Chillicothe was developed as a dryland variety trial, but was supplementally irrigated in 2000 and 2001. Means within a column which differ by more than the LSD are considered statistically different at the 10% level.

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## Rolling Plains Uniform Cotton Variety Trial - 2003

**Location:** Texas Agricultural Experiment Station at Munday

**Cultural Practices:**

Planting Date: 5/29/2003  
 Seeding Rate: 4.9 seed/ft  
 Row Spacing: 40 inches  
 Plot Size: 2 rows by 150 ft  
 Replications: 4  
 Harvest Date: 12/8/2003  
 Soil Type: Miles fine sandy loam  
 Fertilizer: 40 lbs N/acre + 20 lbs P2O5/acre - Sidedressed, 7/29  
 Irrigation: Subsurface Drip Irrigated Daily - Total = 14.6 inches  
 Previous Crop: Cotton  
 Insecticide: Baythroid + Steward - 2.6 + 11.3 oz/A, 8/5  
 Herbicide: Treflan - 1.5 pt/A, 3/3  
                   Staple - 1.2 oz/A, 7/14  
 Harvest Aid: Boll'd + LI 700 - 32 + 16 oz/A, 11/20

**Weather:**

Month	Rainfall (inches)	Minimum	Average	Maximum	Average
		Temperature	Minimum	Temperature	Maximum
		----- (F) -----			
May	1.94	51	60	104	88
June	6.21	57	66	99	90
July	0.00	68	73	107	100
August	1.35	61	71	109	98
September	1.05	52	62	97	85
October	0.67	38	53	96	81

**Table 1. Results from the cotton variety trial at the Texas Agricultural Experiment Station, Munday, in 2003.**

Variety	Plant	Plant	Open	Color		Fiber		Uniformity	Seed	Lint	Loan	Lint	Lint	
	Population	Height	bolts	Leaf	Grade	Micronaire	Length	Strength	Index	Yield	Turnout	Value	Yield	Value
	(#/row ft)	(in)	(%)			(units)	(in)	(g/Tex)	(%)	(lb/A)	(%)	(¢/lb)	(lb/A)	(\$/A)
AFD 2485	2.9	38	55	2	31	3.5	1.16	31.2	82.4	2891	27.7	56.53	1760	994.40
Fibermax 960 BG/RR	3.1	41	53	2	21	3.6	1.12	31.8	82.4	3093	26.2	55.51	1783	991.30
Stoneville 5242 BR	2.7	37	68	1	31	3.2	1.10	28.4	82.6	2545	29.2	55.52	1537	853.29
Stoneville 5599 BR	3.0	40	47	2	31	3.3	1.13	28.2	80.7	2806	25.1	55.46	1511	837.96
Deltapine 444 BG/RR	2.7	39	61	1	21	3.5	1.12	29.1	82.3	2565	26.2	55.06	1476	814.44
AFD 3602 R	3.1	44	52	2	21	4.2	1.13	29.6	81.9	2703	24.5	56.24	1355	761.80
Phytogen PSC 410 R	2.5	41	42	2	31	3.3	1.13	29.4	82.5	2641	24.5	54.89	1382	758.67
Deltapine 424 BGII/RR	3.2	37	58	1	21	3.1	1.11	28.4	81.3	2714	23.7	55.19	1318	726.43
AFD 2070	2.6	44	37	2	21	3.4	1.11	29.9	82.2	2445	24.1	55.30	1308	723.09
Paymaster 2344 BG/RR	3.0	31	64	1	31	3.7	1.09	30.8	82.7	2726	24.0	55.61	1291	718.16
Stoneville 4646B2R	2.5	39	52	1	31	3.4	1.12	29.0	80.6	2645	24.6	52.38	1358	715.37
Paymaster HS26	3.0	38	50	1	31	3.7	1.10	29.9	81.7	2646	22.7	54.34	1300	706.49
Stoneville 5303 R	3.0	45	51	2	21	3.8	1.12	31.4	82.3	2494	22.9	55.05	1273	701.87
Stoneville 3990 BR	2.4	38	55	1	21	4.4	1.06	26.9	80.5	2667	24.2	50.75	1354	694.84
AFD 3511 R	2.6	39	57	1	31	4.1	1.10	30.5	81.9	2559	24.1	55.31	1255	693.79
Fibermax 819 RR	2.3	42	37	2	21	3.0	1.16	30.8	82.9	2087	25.1	56.60	1213	686.52
TAMU WD22	2.0	44	29	1	21	3.7	1.12	27.2	80.5	2176	25.2	52.35	1280	670.24
DeltapineX03X176BR	1.9	42	30	1	21	3.3	1.13	29.3	80.0	2330	24.2	54.35	1222	663.25
Stoneville 4892 BR	2.3	40	49	1	31	3.5	1.12	29.1	81.7	2316	22.6	53.34	1236	659.87
Deltapine 449 BG/RR	2.3	41	45	2	21	3.6	1.10	29.6	80.6	2354	26.0	51.25	1282	655.61
Deltapine 468 BGII/RR	2.6	39	45	2	21	4.2	1.13	28.1	79.8	2680	21.9	52.12	1187	618.70
Fibermax 989 RR	2.7	45	37	1	21	3.9	1.09	29.5	81.0	2245	23.5	49.49	1229	608.03
Deltapine 555 BG/RR	2.0	49	17	1	21	3.2	1.12	28.4	80.3	1836	25.8	53.44	1116	596.29
Trial Average	2.6	41	47	1		3.6	1.12	29.4	81.5	2529	24.7	54.18	1349	732.63
LSD (P=.10)	NS	3	16	1		0.4	0.02	1.1	0.9	256	1.4	2.29	151	94.72
SD	0.6	3	13	1		0.3	0.02	1.0	0.8	217	1.2	1.94	128	80.17
CV	24.2	6	28	36		8.9	1.72	3.2	1.0	9	4.9	3.58	9	10.94

LSD = least significant difference; SD = standard deviation; CV = coefficient of variation; NS = not significant.  
Means within a column which differ by more than the LSD are statistically different at the 0.10 level of significance.

## Rolling Plains Uniform Cotton Variety Trial - 2003

**Location:** Texas Agricultural Experiment Station at Chillicothe

### Cultural Practices:

Planting Date: 5/29/2003  
Seeding Rate: 3.7 seed/ft  
Row Spacing: 40 inches  
Plot Size: 2 rows by 75 ft  
Replications: 4  
Harvest Date: 11/20/2003  
Soil Type: Abilene clay loam  
Fertilizer: 20 lbs N/acre + 10 lbs P<sub>2</sub>O<sub>5</sub>/acre - Sidedressed, 7/10  
Irrigation: None  
Previous Crop: Cotton  
Insecticide: Vydate C-LV - 8 oz/A, 7/17  
Baythroid + Steward - 2.6 + 12.8 oz/A, 8/5  
Herbicide: Treflan - 1.5 pt/A, 3/31  
Staple - 1.2 oz/A, 7/21  
Harvest Aid: Ginstar + Prep - 8 + 16 oz/A, 10/22

### Weather:

Month	Rainfall (inches)	Minimum	Average	Maximum	Average
		Temperature	Minimum	Temperature	Maximum
		----- (F) -----			
May	1.38	45	58	104	85
June	5.20	55	65	101	88
July	0.06	65	73	106	99
August	2.55	62	72	107	98
September	0.76	48	61	96	84
October	0.08	40	52	97	81

**Table 2. Results from the cotton variety trial at the Texas Agricultural Experiment Station, Chillicothe, in 2003.**

Variety	Plant	Plant	Open	Color		Fiber		Uniformity	Seed	Lint	Loan	Lint	Lint	
	Population	Height	bolts	Leaf	Grade	Micronaire	Length	Strength	Index	Yield	Turnout	Value	Yield	Value
	(#/row ft)	(in)	(%)			(units)	(in)	(g/Tex)	(%)	(lbs/A)	(%)		(lbs/A)	(\$/A)
AFD 3602 R	1.7	20	47	1	31	5.2	1.01	27.6	79.6	470	29.2	46.36	309	143.12
AFD 2485	2.7	21	53	2	41	5.1	1.01	28.0	80.2	471	26.5	46.30	296	135.82
Deltapine 555 BG/RR	2.3	21	37	1	31	5.0	1.02	27.8	79.1	372	29.3	48.80	270	131.04
Fibermax 960 BG/RR	2.8	21	68	2	41	4.6	0.99	28.0	79.1	412	28.8	47.30	276	130.09
Deltapine 494 RR	2.6	20	22	1	31	5.1	1.03	29.1	80.4	394	29.1	47.40	267	126.45
Paymaster 2379 RR	2.9	20	75	1	31	5.1	0.98	29.3	80.2	431	26.7	46.33	265	122.80
Deltapine 458 B/RR	2.6	19	49	1	41	5.3	1.00	27.3	79.9	451	27.7	44.59	270	120.27
AFD 2070	2.7	19	68	2	31	4.8	0.99	27.8	79.8	398	26.4	48.25	251	119.52
TAMU WD22	2.8	21	56	2	41	5.0	1.02	28.0	80.2	376	24.9	47.34	243	115.13
Phytogen PSC 410 R	2.8	20	70	1	31	4.9	0.97	26.7	78.9	351	27.4	47.04	230	108.15
Deltapine X03X176BR	2.4	20	29	2	41	5.0	1.03	29.3	80.2	375	25.6	46.91	229	107.83
Fibermax 989 RR	2.9	20	45	1	31	5.0	0.99	30.5	80.2	355	24.5	48.19	220	105.29
AFD 3511 R	2.7	18	84	2	31	4.6	0.96	28.6	78.9	375	24.8	47.40	209	99.21
Fibermax 819 RR	2.3	23	48	2	41	4.9	1.02	29.8	80.3	320	26.4	49.32	197	97.09
Paymaster HS26	2.4	20	81	2	31	4.9	0.95	28.5	78.7	340	24.5	46.79	206	96.01
Trail Average	2.6	20	55	2	35	5.0	1.00	28.4	79.7	393	26.8	47.22	249	117.19
LSD (P=.10)	0.3	2	11	NS		NS	NS	1.7	NS	68	3.14	NS	51	23.80
SD	0.2	1	9	1		0.3	0.04	1.4	1.1	57	2.63	2.56	43	19.99
CV	8.3	7	17	43		6.4	4.32	5.1	1.4	15	9.83	5.42	17	17.05

LSD = least significant difference; SD = standard deviation; CV = coefficient of variation; NS = not significant.

Means within a column which differ by more than the LSD are statistically different at the 0.10 level of significance.

## Rolling Plains Uniform Cotton Variety Trial - 2002

**Location:** Texas Agricultural Experiment Station at Munday

**Cultural Practices:**

Planting Date: 5/31/2002  
 Seeding Rate: 4.5 seed/ft  
 Row Spacing: 40 inches  
 Plot Size: 2 rows by 75 ft  
 Replications: 3  
 Harvest Date: 12/18/2002  
 Soil Type: Miles fine sandy loam  
 Fertilizer: 50 lbs N/acre + 25 lbs P2O5/acre - Sidedressed, 7/12  
 Irrigation: Drip Irrigated Daily 7/16 - 9/18  
 Previous Crop: Cotton  
 Insecticide: Steward - 10 oz/A, 8/23  
 Herbicide: Dual Magnum - 1qt/A, 6/3  
 Staple - 1 oz/A, 6/25 and 7/14  
 Harvest Aid: Prep - 1 qt/A, 11-10

**Weather:**

Month	Rainfall (inches)	Minimum	Average	Maximum	Average
		Temperature	Minimum	Temperature	Maximum
		----- (F) -----			
May	0.60	43	59	97	84
June	7.46	61	68	97	91
July	4.80	66	71	102	92
August	1.65	64	71	102	95
September	1.17	50	63	100	90
October	4.71	37	51	92	68

**Table 3. Results from the cotton variety trial at the Texas Agricultural Experiment Station, Munday, in 2002.**

Variety	Plant	Open	Color		Fiber		Uniformity			Lint		Loan	Lint	
	Height	bolls	Leaf	Grade	Micronaire	Length	Strength	Index	Elongation	Rd	+b	Turnout	Value	Yield
	(in)	(%)			(units)	(in)	(g/Tex)	(%)	------(units)-----			(%)		(lbs/A)
Paymaster 2344 BG/RR	38	43	4	41	4.0	1.11	31.4	82.1	6.6	71	8.2	24	51.07	1566
Stoneville 3539BR	42	33	2	31	3.8	1.06	29.5	81.6	7.0	75	8.3	23	52.47	1455
Paymaster 2280 BG/RR	44	41	3	41	3.3	1.15	30.3	80.6	6.7	73	8.4	23	50.90	1446
TAMU 53B-2-99	37	46	4	41	3.8	1.09	32.1	82.3	6.4	71	7.6	22	50.02	1241
TAMU 41A-1-99	41	40	4	41	3.5	1.11	30.6	82.5	6.9	71	7.2	21	50.23	1206
Fibermax 989BR	48	21	2	31	2.9	1.15	27.8	80.1	6.6	75	8.9	20	47.23	1187
Stoneville 2454R	48	23	3	41	3.2	1.11	28.7	80.9	7.7	74	8.7	22	51.00	1182
Deltapine 444 BG/RR	52	32	3	41	2.7	1.13	26.5	81.2	7.6	73	9.1	22	44.42	1168
Suregrow 215 BG/RR	49	26	4	41	3.0	1.11	28.2	81.2	8.2	74	8.5	19	48.00	1159
PhytoGen PH 98M-2983	42	30	3	41	3.5	1.14	28.3	81.1	7.1	72	9.1	24	51.57	1150
Stoneville 4892BR	48	19	5	42	2.7	1.12	27.7	79.7	8.1	70	9.5	19	38.75	1110
Deltapine 449 BG/RR	50	30	2	31	3.1	1.16	29.6	81.2	6.3	74	8.5	22	50.55	1104
Paymaster HS 26	47	35	4	41	3.6	1.11	31.2	81.5	7.5	71	8.0	21	50.10	1037
Fibermax 966	51	25	3	41	3.2	1.17	31.4	81.4	5.2	73	7.9	22	48.42	1032
Fibermax 5013	38	48	3	41	4.2	1.08	31.6	81.1	7.0	72	8.2	21	52.35	1003
Stoneville 4793R	50	23	5	42	3.0	1.14	27.5	80.5	7.3	70	10.2	20	41.85	997
Paymaster 1218 BG/RR	52	18	3	31	3.3	1.11	27.8	80.2	7.8	72	9.3	23	48.73	993
TAMU 96WD-81	39	22	3	41	3.7	1.10	29.4	80.3	7.0	72	8.9	22	52.90	990
Deltapine 555 BG/RR	57	18	3	32	2.6	1.13	27.2	78.7	7.4	73	9.8	22	42.03	936
PhytoGen PSC GA 161	54	24	3	31	3.4	1.15	29.8	80.6	5.7	73	8.8	20	51.55	910
PhytoGen PSC 355	49	27	4	41	3.3	1.14	30.8	81.0	8.0	70	8.5	19	48.88	880
Fibermax 958	46	20	3	41	3.6	1.15	31.5	81.4	5.3	71	8.3	20	52.43	832
Stoneville 457	45	26	5	42	3.4	1.14	29.5	80.5	8.9	69	9.7	20	47.05	780
Deltapine 458 B/RR	57	18	3	31	2.6	1.15	27.3	78.7	8.0	75	8.7	18	43.47	779
TAMU 96WD-69S	48	36	2	42	3.5	1.10	30.2	80.5	7.4	72	9.2	19	50.80	776
Stoneville 580	46	16	2	32	2.8	1.16	29.1	79.5	7.4	72	10.6	18	42.73	765
Stoneville BXN 49B	45	21	3	41	3.0	1.14	27.4	79.3	7.2	73	8.9	20	45.27	704
Fibermax 819	49	21	5	51	3.2	1.18	30.3	81.1	5.6	71	7.7	18	45.88	703
TAMU 96WD-18	51	14	4	41	2.8	1.23	30.7	80.0	6.6	71	9.1	17	43.95	674
PhytoGen PSC HS-12	53	24	3	41	3.3	1.18	29.3	80.5	6.4	73	8.5	19	51.45	663
TAMU 96WD-22	48	18	4	41	2.9	1.14	26.1	79.4	8.5	71	9.1	19	43.70	636
LSD (10%)	6	12	1	.	0.5	0.03	1.9	1.1	1.0	3	0.8	3	4.76	341
CV	10	32	26	.	10	2	5	1	10	3	7	12	7	25

LSD = least significant difference; CV = coefficient of variation; NS = not significant.

Means within a column which differ by more than the LSD are statistically different at the 0.10 level of significance.

## Rolling Plains Uniform Cotton Variety Trial - 2002

**Location:** Texas Agricultural Experiment Station at Chillicothe

### Cultural Practices:

Planting Date: 5/23/2002  
Seeding Rate: 3.3 seeds/ft  
Row Spacing: 40 inches  
Plot Size: 2 rows x 75 ft  
Replications: 4  
Harvest Date: 11/8/2002  
Soil Type: Abilene clay loam  
Fertilizer: 40 lbs N/acre + 20 lbs P2O5/acre - Sidedressed  
Irrigation: None  
Previous Crop: Cotton  
Insecticide: Karate - 3.8 oz/A, 7/23  
Vydate - 8 oz/A, 7/15  
Steward + Curacron - 11.5 + 8 oz/A, 8/5  
Herbicide: Trifluralin 1.5 pt/A, Preplant  
Harvest Aid: 8 oz Ginstar + 1 pt Ethephon on 10-14

### Weather:

Month	Rainfall (inches)	Minimum Temperature	Average Minimum Temperature	Maximum Temperature	Average Maximum Temperature
May	1.95	43	57	97	82
June	3.96	59	68	95	89
July	4.22	61	71	102	91
August	0.55	63	71	101	95
September	1.01	47	62	101	89
October	5.15	37	51	91	67

**Table 4. Results from the cotton variety trial at the Texas Agricultural Experiment Station, Chillicothe, in 2002.**

Variety	Plant	Open	Color		Fiber		Uniformity			Lint	Loan	Lint		
	Height	boll	Leaf	Grade	Micronaire	Length	Strength	Index	Elongation	Rd	+b	Turnout	Value	Yield
	(in)	(%)			(units)	(in)	(g/Tex)	(%)	------(units)-----			(%)		(lbs/A)
TAMU 96WD-22	27	26	2	32	4.2	0.96	27.0	78.3	7.8	75	9.7	28	45.78	406
TAMU 96WD-81	27	51	2	32	4.4	0.97	27.6	76.9	7.3	74	9.8	26	46.31	394
TAMU 96WD-69S	29	48	2	32	4.2	0.98	30.2	78.7	7.8	73	9.5	24	46.63	393
PhytoGen PSC 355	28	62	3	42	4.4	0.99	29.5	80.6	7.3	73	9.2	24	46.41	390
TAMU 53B-2-99	27	76	3	41	4.2	0.94	30.8	79.7	5.9	73	8.6	25	45.94	382
Paymaster 2266 RR	26	71	3	41	4.1	0.96	31.0	79.6	7.1	73	9.1	24	46.92	382
Deltapine 444 BG/RR	28	58	2	31	3.7	0.96	27.0	78.9	6.9	75	9.0	26	46.74	374
Suregrow 215 BG/RR	28	50	2	31	4.4	0.96	27.9	79.7	7.3	75	9.3	26	46.24	370
Paymaster HS-26	26	54	3	41	4.3	0.95	32.3	80.2	7.5	74	8.8	24	47.21	360
Paymaster 2344 BG/RR	24	84	3	41	4.1	0.96	31.9	80.4	7.1	74	8.0	23	47.35	356
Deltapine 555 BG/RR	29	22	2	31	4.7	0.97	27.4	78.1	6.2	76	9.3	28	45.80	347
TAMU 96WD-18	28	43	4	41	4.1	1.05	31.5	80.7	6.2	73	9.1	24	50.54	345
Paymaster 2326 RR	28	57	3	41	4.4	0.97	31.3	80.4	7.1	74	9.0	25	47.63	345
TAMU 41A-1-99	27	84	4	41	4.1	0.97	29.8	80.7	6.6	72	8.7	23	47.02	343
Deltapine 449 BG/RR	26	45	2	31	4.2	0.94	27.8	78.3	6.3	76	9.2	26	45.99	343
Paymaster 2280 BG/RR	27	71	3	31	3.5	0.98	30.2	79.0	6.6	76	8.4	24	47.01	342
PhytoGen PH 98M-2983	28	55	2	31	4.4	0.94	27.5	78.8	7.3	73	9.4	27	45.70	341
Deltapine 458 B/RR	23	21	1	31	4.7	0.95	29.3	78.9	7.3	76	9.6	25	46.55	327
PhytoGen PSC HS-12	28	31	2	31	4.5	1.00	29.2	78.6	6.3	75	9.1	23	47.41	306
PhytoGen PSC GA 161	28	26	2	31	4.2	1.00	32.8	79.7	5.7	75	9.4	24	49.17	304
Deltapine 655 B/RR	28	40	2	31	4.0	0.95	29.8	78.7	6.4	75	9.2	25	46.59	294
LSD (10%)	2	12	1	.	0.3	0.02	1.6	0.9	0.5	1	0.3	2	1.36	55
CV	7	19	31	.	5	2	5	1	6	1	3	5	2	13

LSD = least significant difference; CV = coefficient of variation; NS = not significant.

Means within a column which differ by more than the LSD are statistically different at the 0.10 level of significance.

## Rolling Plains Uniform Cotton Variety Trial - 2001

**Location:** Texas Agricultural Experiment Station at Munday

**Cultural Practices:**

Planting Date: 5/22/2001  
 Seeding Rate: 5.5 seeds/ft  
 Row Spacing: 40 inches  
 Plot Size: 2 rows by 75 ft  
 Replications: 4  
 Harvest Date: 11/26/2001  
 Soil Type: Miles fine sandy loam  
 Fertilizer: 50 lb N/acre + 25 lb P<sub>2</sub>O<sub>5</sub>/acre - Sidedressed, 6/29  
 Irrigation: 5 seasonal applications  
 Previous Crop: Pearl Millet  
 Insecticide: Vydate - 0.5 pt/A, 8/7  
 7 applications of Malathion by TBWEF  
 Herbicide: Trilin - 1.5 pt/A, Preplant, 4/6  
 Harvest Aid: Finish - 2.6 pt/A, 11/2

**Weather:**

Month	Rainfall (inches)	Minimum	Average	Maximum	Average
		Temperature ----- (F) -----	Minimum Temperature	Temperature	Maximum Temperature
May	2.84	46	61	101	86
June	0.53	58	69	102	95
July	0.14	67	75	107	102
August	1.72	64	71	104	95
September	3.07	45	61	98	87
October	0.77	35	50	91	78

**Table 5. Results from the cotton variety trial at the Texas Agricultural Experiment Station, Munday, in 2001.**

Variety	Plant	Open	Color		Fiber		Uniformity			Lint	Loan	Lint		
	Height	bolls	Leaf	Grade	Micronaire	Length	Strength	Index	Elongation	Rd	+b	Turnout	Value	Yield
	(in)	(%)			(units)	(in)	(g/tex)	(%)	------(units)-----			(%)	(¢/lb)	(lbs/A)
Deltapine 491	35	32	2	42	4.1	1.18	30.6	82	4.9	68	9.3	25	49.84	1194
TAES MAR-283L-1-98	30	66	3	52	4.6	1.1	31.8	83	5.1	65	8.7	21	45.53	1094
Paymaster 2344 BG/RR	29	58	3	52	5	1.07	30.9	83	6.4	67	8.5	22	43.35	1032
TAES MAR-54G-2-99	33	65	2	52	4.9	1.09	31.8	83	4.9	67	8.7	22	46.79	1029
Deltapine 451 B/R	34	62	2	51	4.8	1.13	28.4	82	5.4	68	7.9	22	46.79	1013
Stoneville 4793R	34	40	3	52	4.8	1.08	28.3	82	6	68	9.3	26	44.89	1013
Deltapine 655 B/RR	37	41	2	42	4.5	1.14	31.3	83	5.8	69	8.8	25	51.04	1008
TAES MAR-280-K-1-98	33	64	2	52	5.3	1.08	30.2	83	5.7	68	8.9	21	42.54	1007
Stoneville 3539BR	37	46	2	42	4.6	1.02	29.8	82	5.9	70	9.1	23	44.67	1005
TAES 96 WD-22	33	49	3	52	4.2	1.12	28.2	82	6.1	69	8.6	26	48.35	983
Stoneville 5599BR	34	39	3	52	4.4	1.11	28.9	81	4.8	67	9.2	24	45.96	978
TAES 96 WD-81	31	54	2	51	4.6	1.11	30	81	5.6	68	8.7	24	48.6	962
TAES MAR-53B-2-99	29	65	3	52	4.8	1.05	31.4	82	5.3	67	8.6	22	45.24	952
Deltapine 448 B	36	33	1	52	3.8	1.14	29.3	82	5.4	68	8.9	23	48.06	929
Paymaster 1218 BG/RR	36	41	2	42	4.5	1.09	28.7	83	6	68	9	23	48.91	898
Suregrow 215 BG/RR	34	50	2	42	5	1.06	26.2	82	7.1	70	8.9	25	47.33	897
Tamcot Sphinx	32	60	3	42	4.6	1.09	31.7	83	5.3	68	9.2	20	49.35	886
Stoneville 4892BR	34	29	3	52	4.8	1.11	28.8	83	5.9	67	9.5	26	46.65	881
Suregrow 501 BR	35	52	2	52	4.7	1.11	29.8	83	6.4	69	8.8	24	47.69	866
Paymaster 2326 RR	37	62	2	52	4.8	1.09	30.5	83	6.4	68	8.9	22	46.58	857
Paymaster 2326 BG/RR	38	52	3	52	4.6	1.05	29.5	83	7.2	67	9	21	45.31	850
Deltapine 458 B/RR	36	42	3	52	4.6	1.13	31.3	82	5.5	67	8.7	22	46.84	849
Paymaster 2280 BG/RR	33	58	3	51	4.6	1.1	31.3	82	5.6	69	8.3	24	50.11	821
PhytoGen PSC GA 161	39	43	2	52	4.4	1.13	31.7	82	5.3	67	8.6	22	48.91	819
Paymaster 2266 RR	33	59	3	52	4.5	1.08	31.1	83	6.6	67	8.9	20	47.01	817
TAES MAR-52J-1-99	34	64	3	52	4.7	1.07	30.1	82	5.4	66	8.3	21	46.58	810
Stoneville 2454R	36	45	2	52	4.5	1.06	28.9	83	6.2	69	9	24	47.05	809
Tamcot Pyramid	32	65	3	52	4.8	1.05	29.8	82	5.9	68	8.8	24	46.5	805
Tamcot Sphinx-V	32	54	3	52	4.4	1.11	32.6	83	5.3	67	9.1	21	48.5	802
PhytoGen PSC HS-12	34	52	1	51	4.6	1.14	31.1	81	5.1	69	8.5	25	49.64	787
Paymaster 2200 RR	37	44	2	42	4.4	1.11	30.5	83	5.5	68	9.4	22	48.65	779
PhytoGen PSC 355	36	55	3	52	4.8	1.1	29.9	83	7.4	65	9.3	24	44.04	755
Paymaster HS 26	36	56	2	52	4.6	1.1	31.1	83	6.3	67	9	24	46.81	714
TAES 94-L25	27	64	3	52	4.9	1.16	31	82	4.4	66	8.9	24	44.49	711
LSD (10%)	4	11	1		0.3	0.03	1.0	1	0.5	2	0.5	2	3.07	184
CV	9	18	32		6	2	3	1	8	2	5	7	6	17

LSD = least significant difference; C.V. = coefficient of variation; NS = not significant.

Means within a column which differ by more than the LSD are statistically different at the 0.10 level of significance.

## Rolling Plains Uniform Cotton Variety Trial -2001

**Location:** Texas Agricultural Experiment Station at Chillicothe

**Cultural Practices:**

Planting Date: 5/24/2001  
 Seeding Rate: 4.2 seeds/ft  
 Row Spacing: 40 inches  
 Plot Size: 2 rows by 75 ft  
 Replications: 4  
 Harvest Date: 10/26/2001  
 Soil Type: Abilene clay loam  
 Fertilizer: 40 lb N/acre + 20 lb P<sub>2</sub>O<sub>5</sub>/acre - Sidedressed, 6/12  
 Irrigation: 1 application (7/24)  
 Previous Crop: Cotton  
 Insecticide: Vydate - 8.7 oz/A, 7/7  
 No applications of Malathion by TBWEF  
 Herbicide: Trilin - 1.5 pt/A, Preplant, 4/5  
 Harvest Aid: Ginstar - 8 oz/A, 10/20  
 Prep - 1 lb/A  
 Induce - 1 % v/v

**Weather:**

Month	Rainfall (inches)	Minimum	Average	Maximum	Average
		Temperature	Minimum	Temperature	Maximum
		----- (F) -----			
May	3.73	45	60	99	84
June	0.28	56	68	102	95
July	0.21	67	75	109	102
August	1.40	66	71	103	96
September	1.57	41	61	102	87
October	0.02	32	48	92	79

**Table 6. Results from the cotton variety trial at the Texas Agricultural Experiment Station, Chillicothe, in 2001.**

Variety	Plant	Open	Color		Fiber			Uniformity			Lint	Loan	Lint	
	Height	bolls	Leaf	Grade	Micronaire	Length	Strength	Index	Elongation	Rd	+b	Turnout	Value	Yield
	(in)	(%)			(units)	(in)	(g/tex)	(%)	------(units)-----			(%)	(¢/lb)	(lbs/A)
Suregrow 215 BG/RR	28	83	1	31	5.0	1.04	26.8	82	6.9	79	8.5	30	46.49	915
TAES 96 WD-22	28	71	1	31	4.5	1.11	28.5	81	5.9	79	8.1	28	54.05	814
Tamcot Pyramid	26	78	1	31	4.9	1.05	28.8	81	5.7	79	8.0	26	49.43	775
PhytoGen PSC HS-12	31	53	1	31	5.1	1.13	32.2	82	5.3	78	8.1	28	50.61	735
Tamcot Sphinx-V	26	55	1	31	5.0	1.09	33.0	83	5.1	78	8.2	25	52.46	732
TAES MAR-280-K-1-98	28	74	1	31	5.3	1.08	31.2	83	5.5	79	8.1	23	47.91	726
PhytoGen 355	29	60	2	31	5.2	1.10	31.1	84	7.5	76	8.8	27	49.74	698
Stoneville 3539BR	28	70	1	21	5.2	1.02	29.8	82	6.0	80	8.3	27	42.74	697
TAES MAR-53B-2-99	24	71	2	41	4.9	1.05	32.0	83	5.3	76	8.1	24	48.78	694
PhytoGen GA 161	31	53	1	31	4.8	1.15	32.8	83	5.3	79	8.1	25	55.53	683
Deltapine 458 B/R	28	58	1	31	5.1	1.11	31.0	81	5.7	79	8.1	25	50.80	682
TAES MAR-52J-1-99	24	84	2	41	4.5	1.09	30.8	82	4.9	76	7.3	24	53.79	679
TAES 96 WD-81	26	68	1	31	4.8	1.10	30.0	81	5.8	77	8.7	25	53.15	667
TAES MAR-54G-2-99	27	66	1	31	5.1	1.11	33.0	84	4.8	78	8.0	23	52.01	664
Paymaster 2280 BG/RR	24	77	1	31	4.2	1.09	32.3	82	5.5	79	7.8	24	53.63	662
Paymaster 1218 BG/RR	32	56	1	21	5.3	1.08	28.3	83	5.9	79	8.5	28	47.60	660
Tamcot Sphinx	25	71	1	31	5.0	1.09	31.9	83	4.9	78	8.2	24	51.30	657
TAES MAR-283L-1-98	24	76	2	41	4.6	1.12	32.1	83	5.1	76	7.5	21	54.08	655
Paymaster 2200 RR	30	65	1	21	4.9	1.08	30.3	82	5.4	79	8.5	25	52.81	638
Paymaster 2326 RR	30	65	1	31	5.1	1.07	31.3	82	6.3	78	8.4	24	49.54	637
Paymaster 2344 BG/RR	24	76	2	41	5.0	1.09	32.1	83	6.0	69	7.7	22	49.01	628
Stoneville 2454R	32	63	1	21	5.2	1.05	29.2	82	5.9	79	8.4	27	44.78	619
Paymaster 2379 RR	29	66	1	31	5.2	1.07	30.7	82	7.4	79	8.3	26	47.46	617
All-Tex Atlas RR	30	69	1	31	4.9	1.04	30.6	82	5.9	77	8.6	24	46.99	606
Paymaster 2266 RR	26	65	2	31	4.6	1.08	31.2	83	6.6	78	7.9	23	53.75	602
TAES 94 L-25	21	77	1	31	4.6	1.20	32.3	83	3.8	77	8.0	23	55.21	599
Paymaster 2326 BG/RR	27	74	1	31	5.0	1.03	30.9	81	6.7	79	8.4	23	46.44	578
Paymaster HS-26	28	62	1	31	5.0	1.06	31.3	83	6.8	78	7.8	23	48.01	571
All-Tex Xpress RR	26	81	1	31	4.2	1.11	32.3	83	4.8	79	7.7	21	55.23	514
LSD (10%)	3	10	0	.	0.2	0.02	0.8	1	0.3	4	0.3	2	2.14	81
CV (%)	10	12	22	.	3	1	2	1	4	4	4	6	4	10

LSD = least significant difference; C.V. = coefficient of variation; NS = not significant.

Means within a column which differ by more than the LSD are statistically different at the 0.10 level of significance.

## Rolling Plains Uniform Cotton Variety Trial - 2000

**Location:** Texas Agricultural Experiment Station at Munday

**Cultural Practices:**

Planting Date: 5/23/2000  
 Seeding Rate: 5.5 seeds/ft  
 Row Spacing: 40 inches  
 Plot Size: 2 rows by 75 ft  
 Replications: 4  
 Harvest Date: 11/21-22/00  
 Soil Type: Miles fine sandy loam  
 Fertilizer: 46 lb N/acre + 23 lb P<sub>2</sub>O<sub>5</sub>/acre - Sidedressed, 7/6  
 Irrigation: 6 seasonal applications  
 Previous Crop: Wheat  
 Insecticide: Karate + Lorsban - 7/26  
                   Lorsban - 8/11  
                   Lorsban - 8/26  
                   Karate + Lorsban - 9/2  
                   2 applications of Fyfanon by TBWEF  
 Herbicide: Trilin - 1.5 pt/A, Preplant, 3/9  
 Harvest Aid: Def + Cyclone - 10/18

**Weather:**

Month	Rainfall (inches)	Minimum	Average	Maximum	Average
		Temperature	Minimum	Temperature	Maximum
		----- (F) -----			
May	1.28	51	65	113	93
June	2.84	59	69	101	88
July	0.30	67	74	108	99
August	0.00	68	74	108	102
September	0.00	40	64	111	95
October	5.87	33	57	105	77

**Table 7. Results from the cotton variety trial at the Texas Agricultural Experiment Station, Munday, in 2000.**

Variety	Plant	Open	Color		Fiber			Uniformity			Lint	Loan	Lint	
	Height	bolts	Leaf	Grade	Micronaire	Length	Strength	Index	Elongation	Rd	+b	Turnout	Value	Yield
	(in)	(%)			(units)	(in)	(g/tex)	(%)	------(units)-----			(%)	(¢/lb)	(lbs/A)
Suregrow 215 BG/RR	37	97	2	51	4.6	1.05	24	82	7.3	66	7.4	29	44.59	1905
TAMU 94L-25	28	96	3	61	4.4	1.18	30	82	5.8	63	7.4	25	44.14	1578
TAMCOT Pyramid	34	98	3	51	4.6	1.06	26	82	7.0	65	7.4	27	45.21	1557
Deltapine 655 B/RR	41	98	3	51	3.6	1.11	31	80	6.1	66	7.0	27	46.30	1554
AFD 2050	36	93	2	61	4.4	1.08	27	81	6.7	63	7.3	27	44.91	1519
TAMU 93WB-59	34	93	3	61	4.1	1.08	28	80	6.6	64	7.5	27	44.78	1499
Suregrow 125 B/R	37	97	2	61	4.2	1.07	25	81	6.9	65	7.2	26	43.34	1496
Fibermax 958	34	95	3	61	4.6	1.14	30	82	5.8	65	7.3	28	46.43	1494
TAMCOT Sphinx	34	98	3	61	4.5	1.08	28	82	6.4	64	7.2	27	45.80	1494
TAMU 283L-1-98	31	97	4	61	4.1	1.15	30	83	6.3	63	6.9	23	44.08	1487
Deltapine PMX9C23 B/R	39	96	2	61	4.4	1.06	28	81	6.7	65	7.6	25	45.14	1486
TAMU CIQPIHGPH-1-97	35	94	4	61	4.2	1.12	28	82	6.8	63	6.8	26	43.90	1485
Paymaster 2280 BG/RR	35	98	3	51	4.2	1.09	29	81	6.4	65	7.3	25	46.35	1483
Paymaster 2326 BG/RR	38	97	3	51	4.5	1.04	27	81	7.0	66	7.5	26	45.13	1466
Paymaster 1218 BG/RR	37	98	2	51	4.9	1.07	25	82	6.6	66	7.6	27	43.73	1461
Suregrow 501BR	39	97	2	61	4.2	1.07	27	82	7.1	64	7.4	26	45.35	1453
Deltapine 451 B/R	33	96	3	61	4.7	1.10	26	81	6.4	64	6.8	26	42.85	1436
AFD Rocket	36	97	3	61	4.5	1.08	28	82	6.4	64	7.3	25	45.76	1428
Stoneville 4892BR	41	97	2	61	4.0	1.10	27	82	6.8	64	7.9	27	45.59	1414
Stoneville 2454R	37	95	2	61	4.5	1.07	26	82	6.8	65	7.2	27	43.98	1405
PhytoGen PSC 355	36	94	3	61	4.5	1.10	27	82	7.5	62	7.2	25	44.01	1390
TAMU GARNTHGPIH-1-96	33	94	4	61	4.5	1.11	29	83	6.6	64	7.1	24	44.21	1387
Deltapine 458 B/RR	39	95	2	61	3.9	1.09	29	80	6.4	65	7.1	26	46.14	1353
Fibermax 5017	40	94	3	51	4.6	1.06	29	82	7.1	66	7.2	24	45.25	1351
Deltapine PMX 00V06 B/R	34	97	3	61	4.2	1.06	28	82	7.1	65	7.0	22	44.51	1347
TAMCOT Luxor	34	97	3	61	4.5	1.05	27	81	6.6	65	7.2	25	43.81	1340
TAMU HQCULHQPIH-1-95	32	99	2	61	4.2	1.10	28	82	7.0	65	7.1	26	45.15	1326
Paymaster 1560 BG/RR	38	97	2	51	4.0	1.08	28	81	6.5	66	7.5	28	46.41	1324
G&P GPX 3-00	33	98	3	61	4.1	1.11	27	81	6.6	64	6.8	24	44.98	1310

**Table 7. Results from the cotton variety trial at the Texas Agricultural Experiment Station, Munday, in 2000.**

Variety	Plant	Open	Color		Fiber		Uniformity			Lint	Loan	Lint		
	Height	bolts	Leaf	Grade	Micronaire	Length	Strength	Index	Elongation	Rd	+b	Turnout	Value	Yield
	(in)	(%)			(units)	(in)	(g/tex)	(%)	------(units)-----			(%)	(¢/lb)	(lbs/A)
Fibermax 989	37	93	3	61	4.3	1.13	31	82	6.1	65	7.2	26	46.75	1306
TAMU SPNXCUPPIH-1-96	33	95	3	51	4.5	1.13	29	83	6.8	65	7.5	23	47.54	1297
Paymaster HS 26	35	94	3	61	4.7	1.06	28	82	7.1	64	7.3	24	43.40	1292
AFD Explorer	35	94	3	61	4.4	1.05	28	81	6.8	65	7.5	23	43.48	1287
TAMU 279C-1-98	30	97	4	61	4.0	1.18	31	83	6.7	63	7.0	23	44.50	1263
G&P GPX 4-00	34	95	3	61	4.4	1.12	28	81	6.7	65	7.2	25	46.16	1262
Fibermax 819	39	95	3	61	4.4	1.14	30	82	6.1	64	6.6	26	44.09	1234
TAMU 94J-3	35	98	3	61	4.2	1.15	29	82	6.4	64	7.1	23	44.33	1202
Bronco 717	35	97	2	51	4.0	1.07	27	80	6.3	66	7.5	24	46.12	1197
Fibermax 5013	36	94	3	51	4.5	1.06	28	82	6.6	65	7.5	23	45.14	1196
PhytoGen PSC GA 161	41	94	3	51	4.2	1.14	30	82	6.3	65	6.9	25	46.46	1173
Fibermax 832	48	93	2	51	4.0	1.16	31	83	6.0	68	7.9	25	49.28	1160
AFD 2051	38	94	2	61	4.4	1.12	28	81	6.2	64	7.6	22	46.26	1153
Fibermax 5015	40	90	2	51	4.7	1.06	29	82	7.3	65	8.4	24	44.26	1125
AFD C2525	36	91	3	61	4.5	1.06	29	82	6.3	63	7.8	23	44.43	987
LSD (P=.10)	4	3	1		0.3	0.02	1	1	0.3	1	0.5	2	2.15	152
CV	9	2	27		5.3	1.67	4	1	3.4	2	5.5	5	4.07	9

LSD = least significant difference; C.V. = coefficient of variation; NS = not significant.

Means within a column which differ by more than the LSD are statistically different at the 0.10 level of significance.

## Rolling Plains Uniform Cotton Variety Trial -2000

**Location:** Texas Agricultural Experiment Station at Chillicothe

### Cultural Practices:

Planting Date: 5/22/2000  
 Seeding Rate: 4.2 seeds/ft  
 Row Spacing: 40 inches  
 Plot Size: 2 rows by 75 ft  
 Replications: 4  
 Harvest Date: 10/18/2000  
 Soil Type: Abilene clay loam  
 Fertilizer: 40 lb N/acre + 20 lb P<sub>2</sub>O<sub>5</sub>/acre - Sidedressed, 7/7  
 Irrigation: 2 applications (7/21 & 8/15)  
 Previous Crop: Cotton  
 Insecticide: Karate - 7/24  
 Steward + Bidrin - 8/1  
 Lorsban + Karate - 8/11  
 Tracer + Curacron - 8/16  
 10 applications of Fyfanon by TBWEF  
 Herbicide: Trilin - 1.5 pt/A, Preplant, 3/14  
 Trilin - 0.75 pt/A, Hooded Sprayer, 7/19  
 Harvest Aid: None

### Weather:

Month	Rainfall (inches)	Minimum	Average	Maximum	Average
		Temperature	Minimum	Temperature	Maximum
		(F)			
May	1.34	45	62	112	91
June	7.73	58	67	100	87
July	1.09	62	71	106	98
August	0.00	66	74	106	102
September	0.11	37	62	109	93
October	5.76	27	56	105	76

**Table 8. Results from the cotton variety trial at the Texas Agricultural Experiment Station, Chillicothe, in 2000.**

Variety	Plant	Open	Color		Fiber		Uniformity			Lint	Loan	Lint		
	Height	bolls	Leaf	Grade	Micronaire	Length	Strength	Index	Elongation	Rd	+b	Turnout	Value	Yield
	(in)	(%)			(units)	(in)	(g/tex)	(%)	------(units)-----			(%)	(¢/lb)	(lbs/A)
PhytoGen PSC 355	33	99	3	41	4.9	1.09	29	82	7.1	73	9.3	22	51.19	782
Paymaster 1218 BG/RR	32	99	1	21	5.1	1.03	26	81	6.1	77	9.5	25	45.15	758
Paymaster 2280 BG/RR	30	95	2	31	4.2	1.06	31	81	6.4	77	8.7	22	51.79	706
TAMU GARNTHGPIH-1-96	29	99	2	41	4.5	1.07	29	81	6.1	74	8.5	21	49.63	690
TAMU 94J-3	32	97	2	31	4.4	1.15	31	83	6.3	76	9.2	23	55.16	689
Fibermax 958	29	98	1	31	4.4	1.09	31	80	5.7	78	8.3	23	52.81	679
TAMCOT Pyramid	30	99	1	31	4.3	1.03	28	80	6.3	77	9.0	24	48.09	674
AFD 2050	33	100	1	31	4.1	1.05	31	81	6.3	76	9.0	23	50.03	664
G&P GPX 4-00	32	98	2	31	4.3	1.08	30	81	6.5	77	8.9	21	53.76	663
Deltapine 655 B/R	34	100	1	21	4.0	1.07	32	81	5.9	78	8.7	23	52.01	659
TAMU 93WB-59	29	98	1	31	4.0	1.08	29	80	6.4	76	9.1	23	52.39	657
TAMU 283L-1-98	31	97	2	41	4.1	1.10	31	82	6.1	74	8.7	20	53.30	656
TAMU HQCULHQPIH-1-95	29	98	1	31	4.5	1.03	27	79	6.2	78	8.7	23	47.64	655
Paymaster 2379 RR	32	98	1	31	4.8	1.05	29	81	7.0	77	8.9	23	47.64	654
Fibermax 832	35	99	2	31	4.2	1.14	34	81	5.8	77	8.4	21	54.80	653
TAMU CIQPIHG6H-1-97	29	99	2	41	3.9	1.07	30	80	6.3	75	8.6	21	51.33	645
Bronco 141	31	99	2	31	4.0	1.07	30	81	5.7	77	8.6	21	51.78	640
Deltapine 458 B/R	32	100	2	21	4.0	1.06	30	81	6.1	78	8.8	24	51.01	636
Bronco 73	30	99	1	31	4.0	1.05	30	80	6.2	77	9.1	22	49.96	618
Fibermax 989	33	99	1	31	4.3	1.10	33	82	5.8	77	8.8	21	53.74	612
Paymaster HS26	31	99	2	31	4.2	1.05	31	82	6.8	76	8.7	20	50.44	608
PhytoGen GA161	33	100	1	31	3.9	1.14	35	82	6.0	77	8.9	21	55.29	603
AFD Rocket	29	115	2	31	4.6	1.07	29	82	6.1	76	8.5	23	52.25	602
Deltapine PMX9C23 B/R	32	98	1	31	4.5	1.04	29	81	6.4	77	8.9	22	48.14	597
Fibermax 5013	31	96	2	31	4.3	1.06	31	82	6.3	76	8.4	20	50.41	592
TAMU 94L-25	25	97	2	31	4.0	1.13	31	80	5.5	75	9.1	20	54.33	589
TAMU SPNXCUQPIH-1-96	28	99	2	31	4.3	1.10	31	83	6.6	76	8.4	20	53.91	585
AFD 2051	32	98	2	31	4.3	1.09	29	81	6.2	75	8.8	22	52.58	567

**Table 8. Results from the cotton variety trial at the Texas Agricultural Experiment Station, Chillicothe, in 2000.**

Variety	Plant	Open	Color		Fiber		Uniformity			Lint	Loan	Lint		
	Height	bolls	Leaf	Grade	Micronaire	Length	Strength	Index	Elongation	Rd	+b	Turnout	Value	Yield
	(in)	(%)			(units)	(in)	(g/tex)	(%)	------(units)-----			(%)	(¢/lb)	(lbs/A)
AFD Explorer	34	98	2	31	4.3	1.07	31	82	6.6	76	8.6	20	53.63	567
Fibermax 5017	33	95	1	31	4.6	1.03	31	81	6.7	77	9.0	20	47.81	562
Fibermax 819	31	99	1	31	4.5	1.10	32	82	5.8	78	8.4	21	54.16	552
TAMU 279C-1-98	29	98	3	41	4.1	1.12	30	82	6.3	74	8.0	19	52.95	550
TAMCOT Luxor	29	99	2	41	4.9	1.03	26	82	6.1	73	8.7	20	46.13	548
G&P GPX 3-00	31	100	1	31	4.0	1.11	30	82	6.3	77	8.9	20	53.95	538
Paymaster 2326 BG/RR	30	97	2	31	4.4	1.02	30	80	6.7	77	8.8	21	46.76	530
Fibermax 5015	35	97	2	31	4.5	1.07	32	83	6.8	75	9.1	21	52.26	490
TAMCOT Sphinx	30	99	1	31	4.4	1.07	31	83	6.1	76	8.9	22	50.88	481
AFD C2525	30	97	2	41	4.4	1.04	30	81	5.6	74	8.8	19	48.30	451
LSD (10%)	2	NS	1		0.3	0.03	2	1	0.2	1	0.4	1	2.84	91
CV (%)	6	5	34		6	2	5	1	3	1	4	6	5	13

LSD = least significant difference; C.V. = coefficient of variation; NS = not significant.

Means within a column which differ by more than the LSD are statistically different at the 0.10 level of significance.

## Rolling Plains Uniform Cotton Variety Trial -1999

**Location:** Texas Agricultural Experiment Station at Munday

### Cultural Practices:

Planting Date: 5/20/1999  
 Seeding Rate: 5.5 seeds/ft  
 Row Spacing: 40 inches  
 Plot Size: 2 rows by 75 ft  
 Replications: 4  
 Harvest Date: 11/23/1999  
 Soil Type: Miles fine sandy loam  
 Fertilizer: 40 lb N/acre + 20 lb P<sub>2</sub>O<sub>5</sub>/acre - Sidedressed, 7/14  
 Irrigation: 4 seasonal applications  
 Previous Crop: Wheat  
 Insecticide: Karate - 7/29  
                   Karate + Lorsban - 8/16  
                   Lorsban + Curacron - 9/11  
                   3 applications of Fyfanon by TBWEF  
 Herbicide: Trilin  
 Harvest Aid: Ginstar + Prep - 10/6

### Weather:

Month	Rainfall (inches)	Minimum	Average	Maximum	Average
		Temperature	Minimum	Temperature	Maximum
		----- (F) -----			
May	3.73	48	61	104	87
June	3.97	62	70	102	93
July	0	62	76	112	103
August	2.95	69	76	110	106
September	0.75	46	65	104	93
October	1.75	40	53	97	83

**Table 9. Results from the cotton variety trial at the Texas Agricultural Experiment Station, Munday, in 1999.**

Variety	Plant	Open	Color		Fiber			Uniformity			Lint		Loan	Lint
	Height	bolts	Leaf	Grade	Micronaire	Length	Strength	Index	Elongation	Rd	+b	Turnout	Value	Yield
	(in)	(%)			(units)	(in)	(g/tex)	(%)	------(units)-----			(%)	(¢/lb)	(lbs/A)
Paymaster 1218 BG/RR	40	48	2	31	4.5	1.10	27	84	6.0	78	8.4	25	52.58	1408
Deltapine 237 B	39	46	2	31	4.3	1.11	28	83	7.1	78	8.0	23	54.06	1349
PhytoGen PSC 355	39	52	3	41	4.4	1.15	29	84	7.3	74	8.2	24	52.80	1341
Paymaster 2280 BG/RR	39	53	3	31	4.0	1.12	32	82	6.2	77	8.1	24	54.19	1340
Paymaster 2326 BG/RR	39	51	2	31	4.1	1.08	30	83	6.5	77	8.4	23	52.74	1231
Deltapine 409 B/RR	40	51	2	31	3.4	1.14	33	81	6.3	78	7.9	23	52.71	1205
Paymaster 330	38	46	2	31	4.5	1.06	29	82	6.3	76	8.1	23	51.69	1200
Paymaster 2326 RR	37	50	2	31	4.5	1.12	31	84	6.4	76	8.4	23	53.89	1155
Deltapine 2156	36	45	3	41	3.4	1.13	32	83	7.0	76	8.1	23	51.35	1151
Stoneville 239	37	48	2	31	4.1	1.11	29	83	6.3	77	7.8	24	53.66	1120
PhytoGen PSC 952	40	50	4	41	3.8	1.11	30	83	6.3	75	7.8	23	53.00	1116
Paymaster 2200 RR	43	50	2	31	4.0	1.11	31	83	6.2	78	8.4	22	54.08	1110
Fibermax 989	38	47	2	31	3.5	1.15	34	82	6.0	78	8.1	22	52.76	1104
Paymaster HS 26	38	45	3	41	4.5	1.10	30	83	6.6	75	8.1	22	53.24	1103
Paymaster 280	39	46	2	31	3.8	1.16	35	83	5.8	77	8.5	21	54.56	1101
Deltapine 2379	38	51	2	41	4.0	1.09	30	82	6.4	75	8.0	21	51.39	1099
TAMU MAR-CIQBCHGC8H	33	58	3	41	4.1	1.10	30	83	6.3	75	7.9	22	52.46	1091
AFD 2050	39	47	2	31	3.8	1.12	31	82	6.0	77	8.2	24	54.38	1087
TAMCOT Pyramid	32	51	2	41	3.9	1.07	30	82	6.1	76	7.9	23	51.70	1063
TAMCOT Sphinx	33	52	3	31	4.0	1.16	33	83	5.7	76	8.0	23	54.19	1049
Fibermax 832	45	41	3	31	3.8	1.19	36	84	5.9	76	8.3	23	53.04	1040
PhytoGen PSC 556	37	45	3	31	3.5	1.20	35	82	6.1	76	8.9	23	52.81	1039
Stoneville BXN47	42	49	2	31	3.8	1.13	30	83	6.2	76	8.8	23	54.08	1039
Deltapine 436 RR	36	55	3	41	4.0	1.13	29	82	6.5	76	8.0	21	53.31	1024
TAMU MAR-SPNX2HQPIH	34	51	2	41	4.2	1.14	34	84	6.4	76	8.4	21	53.53	1019
TAMU MAR-CUQPIHGP6H	36	66	3	41	3.9	1.11	30	83	6.2	76	7.9	23	51.73	1014
TAMU MAR-LBQWICQPIS	38	44	2	31	3.7	1.11	32	82	6.1	79	7.6	23	54.15	1009
Fibermax 819	39	40	3	41	3.7	1.19	35	83	5.7	76	7.5	22	52.45	1008
All-Tex Top-Pick	36	53	2	31	3.8	1.18	31	83	6.2	78	8.3	20	54.53	995

**Table 9. Results from the cotton variety trial at the Texas Agricultural Experiment Station, Munday, in 1999.**

Variety	Plant	Open	Color		Fiber			Uniformity			Lint		Loan	Lint
	Height	bolts	Leaf	Grade	Micronaire	Length	Strength	Index	Elongation	Rd	+b	Turnout	Value	Yield
	(in)	(%)			(units)	(in)	(g/tex)	(%)	------(units)-----			(%)	(¢/lb)	(lbs/A)
TAMU MAR-LBCHGPI2KS	35	50	2	31	3.9	1.12	32	82	5.9	78	7.8	22	54.48	982
Paymaster 2145 RR	33	63	4	41	4.0	1.07	30	83	6.3	74	7.9	22	50.78	963
TAMU 93WB-59	34	59	3	31	3.6	1.13	30	82	6.4	76	8.1	22	53.35	948
Stoneville 2454R	37	49	2	31	3.9	1.09	30	82	6.4	77	8.0	23	52.94	938
TAMU 94L-25	31	51	3	41	3.7	1.24	36	82	5.3	76	8.1	20	53.76	934
G&P GP-96-EX-2	36	55	2	41	3.6	1.14	34	82	5.9	77	7.9	21	52.66	929
AFD C2525	37	48	4	41	4.3	1.11	31	83	5.9	74	8.0	20	52.84	928
TAMCOT Luxor	34	52	3	41	3.8	1.08	31	83	6.2	76	8.0	21	52.99	888
TAMU MAR-CIQBCDULBH	35	58	4	41	3.7	1.08	33	83	6.4	75	7.6	21	51.39	886
Bronco 141	34	56	2	31	3.8	1.09	31	81	5.7	77	8.3	22	53.65	884
TAMU 88G104	38	46	1	31	3.7	1.12	30	82	5.9	78	8.6	23	54.19	876
AFD 2051	39	46	3	41	3.6	1.15	32	81	6.0	76	8.2	20	52.61	844
G&P GP-96-EX-1	35	65	2	41	3.7	1.13	31	82	6.1	76	8.1	21	52.83	797
TAMU 94WD-17	37	52	3	31	4.2	1.11	31	83	6.1	76	8.3	20	53.65	785
LSD (10%)	3	NS	1		0.3	0.03	2	1	0.4	2	0.4	1	1.69	202
CV (%)	8	23	35		6	2	5	1	5	2	5	5	3	16

LSD = least significant difference; C.V. = coefficient of variation; NS = not significant.

Means within a column which differ by more than the LSD are statistically different at the 0.10 level of significance.

## Rolling Plains Uniform Cotton Variety Trial -1999

**Location:** Texas Agricultural Experiment Station at Chillicothe

**Cultural Practices:**

Planting Date: 6/1/1999  
 Seeding Rate: 4.2 seeds/ft  
 Row Spacing: 40 inches  
 Plot Size: 2 rows by 75 ft  
 Replications: 4  
 Harvest Date: 10/26/1999  
 Soil Type: Abilene clay loam  
 Fertilizer: 40 lb N/acre + 20 lb P<sub>2</sub>O<sub>5</sub>/acre - 5/24  
 Irrigation: None  
 Previous Crop: Cotton  
 Insecticide: Vydate - 7/19  
                   Karate - 7/30  
                   Scout - 8/03  
                   Karate + Curacron - 8/10  
                   10 applications of Fyfanon by TBWEF  
 Herbicide: Trilin  
 Harvest Aid: Ginstar - 10/8

**Weather:**

Month	Rainfall (inches)	Minimum	Average	Maximum	Average
		Temperature	Minimum	Temperature	Maximum
		----- (F) -----			
May	6.72	39	58	100	83
June	7.46	56	66	100	91
July	1.15	60	72	107	97
August	0.16	66	73	107	102
September	1.35	44	61	100	87
October	3.44	36	50	92	79

**Table 10. Results from the cotton variety trial at the Texas Agricultural Experiment Station, Chillicothe, in 1999.**

Variety	Plant	Open	Color		Fiber		Uniformity			Lint	Loan	Lint		
	Height	boll	Leaf	Grade	Micronaire	Length	Strength	Index	Elongation	Rd	+b	Turnout	Value	Yield
	(in)	(%)			(units)	(in)	(g/tex)	(%)	------(units)-----			(%)	(¢/lb)	(lbs/A)
Deltapine 2379	23	98	2	31	3.2	0.92	27	79	4.7	75	9.5	21	39.45	138
TAMU MAR-CUQPIHGP6H	24	98	2	31	2.9	0.94	26	78	4.4	75	9.7	21	37.46	136
Paymaster 2280 BG/RR	22	94	2	31	2.9	0.92	27	78	4.4	75	9.6	21	37.78	134
Paymaster HS 26	23	93	1	31	3.1	0.91	30	79	4.8	75	9.6	21	38.69	133
Bronco 73	22	100	1	22	2.8	0.90	27	77	4.2	76	10.0	21	35.08	127
Paymaster 2326 RR	22	94	1	31	3.2	0.93	28	79	4.4	76	9.8	22	40.00	126
AFD C2525	22	96	2	32	3.6	0.93	28	79	4.4	74	9.8	22	42.89	126
PhytoGen PSC952	23	96	2	32	4.1	0.93	25	78	4.7	73	9.9	25	42.90	125
Stoneville 2454R	23	97	1	21	3.3	0.91	26	79	4.5	76	9.7	23	40.68	125
Deltapine 215 B	20	96	1	32	3.4	0.88	24	79	4.2	74	10.0	22	40.64	124
Deltapine 2156	22	100	1	32	3.4	0.87	23	77	3.9	74	10.1	22	40.42	124
Deltapine 9815 RR	22	100	1	32	3.4	0.87	23	78	4.0	75	9.8	23	40.56	121
TAMU MAR-CIQBCDULBH	21	98	2	31	2.6	0.90	27	78	3.8	76	9.2	18	32.06	120
Paymaster 330	22	99	1	31	3.0	0.90	26	78	4.5	75	9.6	21	37.56	120
Paymaster 1218 BG/RR	23	92	1	21	3.5	0.95	27	79	4.8	76	9.8	24	43.98	119
AFD 2050	22	97	1	32	3.4	0.91	25	79	4.2	75	9.9	24	40.70	119
G&P GP-96-EX-1	22	96	1	31	3.1	0.95	26	78	4.0	76	9.4	21	41.56	117
Paymaster 2326 BG/RR	22	94	2	32	3.1	0.90	27	78	4.6	75	9.6	22	38.13	116
TAMCOT Pyramid	21	100	1	21	2.7	0.89	23	77	3.8	76	9.8	20	33.71	115
TAMU MAR-CIQBCHGC8H	22	99	2	32	2.6	0.89	21	78	2.7	74	9.6	17	31.24	115
Fibermax 832	23	89	2	31	4.0	0.99	31	79	4.9	75	9.1	23	47.54	114
TAMU 88G104	20	94	1	32	3.8	0.89	25	78	4.5	75	10.3	26	41.71	114
PhytoGen PSC355	21	95	2	32	3.7	0.94	27	80	5.2	73	10.1	22	42.94	113
G&P GP-96-EX-2	23	96	1	31	2.9	0.96	26	78	4.2	75	9.5	19	39.49	112
Stoneville 239	22	92	2	31	3.7	0.95	29	80	5.0	75	9.7	23	44.19	105
TAMU MAR-SPNX2HQPIH	21	100	2	32	3.0	0.94	28	79	4.3	75	9.8	19	39.19	105
Paymaster 2145 RR	23	97	2	32	3.3	0.88	25	77	3.8	75	9.7	22	39.95	103
TAMU MAR-LBQWICQPIS	23	97	1	31	2.7	0.93	25	78	4.1	76	9.6	18	34.46	102

**Table 10. Results from the cotton variety trial at the Texas Agricultural Experiment Station, Chillicothe, in 1999.**

Variety	Plant	Open	Color		Fiber		Uniformity			Lint	Loan	Lint		
	Height	boll	Leaf	Grade	Micronaire	Length	Strength	Index	Elongation	Rd	+b	Turnout	Value	Yield
	(in)	(%)			(units)	(in)	(g/tex)	(%)	------(units)-----			(%)	(¢/lb)	(lbs/A)
Fibermax 819	22	93	2	31	3.8	1.01	33	81	4.6	74	9.5	21	48.10	100
Bronco 324	21	92	1	31	3.1	0.94	27	78	4.2	75	9.7	21	38.77	99
TAMU 93WB-59	20	99	2	32	2.8	0.91	23	76	4.3	75	9.9	21	34.86	98
All-Tex Top-Pick	23	94	1	32	3.7	1.00	28	80	5.1	75	9.7	22	46.95	97
AFD 2051	22	93	1	32	3.2	0.94	26	78	4.4	75	9.9	21	41.46	95
Paymaster 2200 RR	21	92	2	31	3.3	0.94	28	77	4.5	76	9.8	21	41.20	95
Paymaster 280	23	95	1	21	3.2	0.94	28	78	4.2	76	9.7	19	41.56	93
TAMU MAR-LBCHGPI2KS	21	98	1	21	2.7	0.91	26	77	4.0	77	9.8	17	35.08	88
PhytoGen PSC556	23	92	2	32	3.7	0.97	25	79	4.4	72	10.6	22	44.80	83
TAMU 94L-25	19	98	1	32	2.8	0.99	30	78	3.9	73	10.7	19	39.00	82
TAMCOT Luxor	22	96	2	31	2.7	0.88	23	77	3.1	75	9.6	18	33.69	81
TAMU 94WD-17	22	96	2	32	3.3	0.96	27	79	4.7	74	9.9	20	42.84	81
TAMCOT Sphinx	20	94	1	32	3.0	0.93	27	79	4.1	75	9.9	20	38.41	81
Fibermax 989	23	96	2	31	3.6	0.93	27	77	4.2	74	9.6	20	42.79	75
Stoneville BXN47	24	86	2	32	4.1	0.96	24	79	4.5	73	10.2	23	44.19	75
LSD (10%)	2	5	1		0.2	0.02	2	1	0.4	1	0.4	1	2.66	28
CV (%)	8	5	38		6	2	6	1	7	1	3	5	6	22

LSD = least significant difference; C.V. = coefficient of variation; NS = not significant.

Means within a column which differ by more than the LSD are statistically different at the 0.10 level of significance.

**Table 11. Lint yield results for the past five years from the cotton variety trial at the Texas Agricultural Experiment Station, Munday, in 1999, 2000, 2001, 2002, and 2003.**

Variety	1999	2000	2001	2002	2003	Avg	Trials
	Lint Yield	Lint Yield	Lint Yield	Lint Yield	Lint Yield	of HS26 (%)	
	----- (lbs/A) -----						(#)
Paymaster HS26	1103	1292	714	1037	1300	100	5
Paymaster 2280 BG/RR	1340	1483	821	1446		123	4
Paymaster 1218 BG/RR	1408	1461	898	993		116	4
Stoneville 4892BR		1414	881	1110	1236	109	4
Stoneville 2454R	938	1405	809	1182		105	4
PhytoGen PSC 355	1341	1390	755	880		105	4
Paymaster 2344 BG/RR			1032	1566	1291	132	3
Suregrow 215 BG/RR		1905	897	1159		128	3
Paymaster 2326 BG/RR	1231	1466	850			115	3
TAMCOT Sphinx	1049	1494	886			112	3
TAMCOT Pyramid	1063	1557	805			110	3
Deltapine 458 B/RR		1353	849	779		100	3
PhytoGen PSC GA 161		1173	819	910		98	3
Fibermax 819	1008	1234		703		85	3
Stoneville 3539BR			1005	1455		141	2
Deltapine 655 B/RR		1554	1008			131	2
Stoneville 5599BR			978		1511	127	2
Deltapine 451 B/R		1436	1013			127	2
Stoneville 4793R			1013	997		119	2
Suregrow 501BR		1453	866			117	2
TAES 96WD-81			962	990		115	2
Deltapine 444 BG/RR				1168	1476	113	2
AFD 2050	1087	1519				108	2
Paymaster 2200 RR	1110		779			105	2
TAMU 94L-25	934	1578				103	2
Deltapine 449 BG/RR				1104	1282	103	2
TAMU 93WB-59	948	1499				101	2
Fibermax 989	1104	1306				101	2
TAES 96WD-22			983	636		100	2
Fibermax 958		1494		832		98	2
Fibermax 5013		1196		1003		95	2
Paymaster 2326 RR	1155			857		94	2
TAMCOT Luxor	888	1340				92	2
Fibermax 832	1040	1160				92	2
Deltapine 555 BG/RR				936	1116	88	2
PhytoGen PSC HS-12			787	663		87	2
AFD 2051	844	1153				83	2
AFD C2525	928	987				80	2
Deltapine 491			1194			167	1
TAES MAR-283L-1-98			1094			153	1
TAES MAR-54G-2-99			1029			144	1

**Table 11. Lint yield results for the past five years from the cotton variety trial at the Texas Agricultural Experiment Station, Munday, in 1999, 2000, 2001, 2002, and 2003.**

Variety	1999	2000	2001	2002	2003	Avg	Trials
	Lint Yield	Lint Yield	Lint Yield	Lint Yield	Lint Yield	of HS26 (%)	
	----- (lbs/A) -----						(#)
TAES MAR-280-K-1-98			1007			141	1
Fibermax 960 BG/RR					1783	137	1
AFD 2485					1760	135	1
TAES MAR-53B-2-99			952			133	1
Deltapine 448 B			929			130	1
Deltapine 237 B	1349					122	1
TAMU 53B-2-99				1241		120	1
Stoneville 5242 BR					1537	118	1
TAMU 41A-1-99				1206		116	1
Suregrow 125 BR		1496				116	1
TAMU 283L-1-98		1487				115	1
Deltapine PMX9C23 B/R		1486				115	1
TAMU CIQPIHGP6H-1-97		1485				115	1
Fibermax 989BR				1187		114	1
Paymaster 2266 RR			817			114	1
TAES MAR-52J-1-99			810			113	1
Tamcot Sphinx-V			802			112	1
PhytoGen PH 98M-2983				1150		111	1
AFD Rocket		1428				111	1
Paymaster 330	1200					109	1
TAMU GARNTHGPIH-1-96		1387				107	1
Phytogen PSC 410 R					1382	106	1
Fibermax 5017		1351				105	1
Stoneville 4646B2R					1358	104	1
Deltapine 2156	1151					104	1
Deltapine PMX 00V06 B/R		1347				104	1
AFD 3602 R					1355	104	1
Stoneville 3990 BR					1354	104	1
TAMU HQCULHQPIH-1-95		1326				103	1
Paymaster 1560 BG/RR		1324				102	1
Stoneville 239	1120					102	1
G&P GPX 3-00		1310				101	1
Deltapine 424 BGII/RR					1318	101	1
PhytoGen PSC952	1116					101	1
AFD 2070					1308	101	1
TAMU SPNXCUCUPIH-1-96		1297				100	1
Paymaster 280	1101					100	1
Deltapine 2379	1099					100	1
AFD Explorer		1287				100	1
TAES 94-L25			711			100	1
Fibermax 966				1032		100	1

**Table 11. Lint yield results for the past five years from the cotton variety trial at the Texas Agricultural Experiment Station, Munday, in 1999, 2000, 2001, 2002, and 2003.**

Variety	1999	2000	2001	2002	2003	Avg	Trials
	Lint Yield	Lint Yield	Lint Yield	Lint Yield	Lint Yield	of HS26 (%)	
	----- (lbs/A) -----						(#)
TAMU MAR-CIQBCHGC8H	1091					99	1
TAMU WD22					1280	98	1
Stoneville 5303 R					1273	98	1
TAMU 279C-1-98		1263				98	1
G&P GPX 4-00		1262				98	1
AFD 3511 R					1255	97	1
Fibermax 989 RR					1229	95	1
Stoneville BXN 47	1039					94	1
PhytoGen PSC556	1039					94	1
DeltapineX03X176BR					1222	94	1
Fibermax 819 RR					1213	93	1
TAMU 94J-3		1202				93	1
Bronco 717		1197				93	1
TAMU MAR-SPNX2HQPIH	1019					92	1
TAMU MAR-CUQPIHG6H	1014					92	1
TAMU MAR-LBQWICQPIS	1009					91	1
Deltapine 468 BGII/RR					1187	91	1
All-Tex Top-Pick	995					90	1
TAMU MAR-LBCHGPI2KS	982					89	1
Paymaster 2145 RR	963					87	1
Fibermax 5015		1125				87	1
G&P GP-96-EX-2	929					84	1
TAMU MAR-CIQBCDULBH	886					80	1
Bronco 141	884					80	1
TAMU 88G104	876					79	1
Stoneville 457				780		75	1
TAMU 96WD-69S				776		75	1
Stoneville 580				765		74	1
G&P GP-96-EX-1	797					72	1
TAMU 94WD-17	785					71	1
Stoneville BXN 49B				704		68	1
TAMU 96WD-18				674		65	1

**Table 12. Lint yield results for the past five years from the cotton variety trial at the Texas Agricultural Experiment Station, Chillicothe, in 1999, 2000, 2001, 2002, and 2003.**

Variety	1999	2000	2001	2002	2003	Avg	Trials
	Lint Yield	Lint Yield	Lint Yield	Lint Yield	Lint Yield	of HS26	
	----- (lbs/A) -----					(%)	(#)
Paymaster HS26	133	608	571	360	206	100	5
Deltapine 458 B/RR		636	682	327	270	111	4
Paymaster 2280BG/RR	134	706	662	342		107	4
Paymaster 2379 RR		654	617		265	115	3
PhytoGen PSC355	113	782	698			112	3
TAMCOT Pyramid	115	674	775			111	3
Paymaster 1218 BG/RR	119	758	660			110	3
Paymaster 2326 RR	126		637	345		101	3
Paymaster 2326 BG/RR	116	530	578			92	3
TAMCOT Sphinx	81	481	657			85	3
Suregrow 215 BG/RR			915	370		132	2
Deltapine 555 BG/RR				347	270	114	2
Phytogen GA161		603	683			109	2
PhytoGen PSC HS-12			735	306		107	2
Paymaster 2266 RR			602	382		106	2
Paymaster 2344 BG/RR			628	356		104	2
AFD 2050	119	664				100	2
Bronco 73	127	618				99	2
Fibermax 832	114	653				97	2
Deltapine 655 B/RR		659		294		95	2
Paymaster 2200 RR	95		638			92	2
AFD 2525	126	451				85	2
Fibermax 819	100	552				83	2
AFD 2051	95	567				82	2
Fibermax 989	75	612				79	2
TAMCOT Luxor	81	548				76	2
AFD 3602 R					309	150	1
AFD 2485					296	144	1
Fibermax 960 BG/RR					276	134	1
Deltapine 494 RR					267	130	1
Tamcot Sphinx-V			732			128	1
Stoneville 3539BR			697			122	1
AFD 2070					251	122	1
TAMU WD22					243	118	1
TAMU 96WD-22				406		113	1
Fibermax 958		679				112	1
Phytogen PSC 410 R					230	112	1
Deltapine X03X176BR					229	111	1

**Table 12. Lint yield results for the past five years from the cotton variety trial at the Texas Agricultural Experiment Station, Chillicothe, in 1999, 2000, 2001, 2002, and 2003.**

Variety	1999	2000	2001	2002	2003	Avg	Trials
	Lint Yield	Lint Yield	Lint Yield	Lint Yield	Lint Yield	of HS26	
	----- (lbs/A) -----					(%)	(#)
TAMU 96WD-81				394		109	1
TAMU 96WD-69S				393		109	1
Stoneville 2454 R			619			108	1
PhytoGen PSC 355				390		108	1
Fibermax 989 RR					220	107	1
All-Tex Atlas RR			606			106	1
TAMU 53B-2-99				382		106	1
Bronco 141		640				105	1
Deltapine 2379	138					104	1
Deltapine 444 BG/RR				374		104	1
AFD 3511 R					209	101	1
AFD Rocket		602				99	1
Fibermax 5013		592				97	1
TAMU 96WD-18				345		96	1
Fibermax 819 RR					197	96	1
TAMU 41A-1-99				343		95	1
Deltapine 449 BG/RR				343		95	1
PhytoGen PH 98M-2983				341		95	1
PhytoGen PSC952	125					94	1
Deltapine 215 B	124					94	1
Deltapine 2156	124					94	1
AFD Explorer		567				93	1
Fibermax 5017		562				92	1
Deltapine 9815 RR	121					91	1
Paymaster 330	120					90	1
All-Tex Xpress RR			514			90	1
PhytoGen PSC GA 161				304		84	1
Fibermax 5015		490				81	1
Stoneville 239	105					79	1
Paymaster 2145RR	103					78	1
Bronco 324	99					75	1
All-Tex Top-Pick	97					73	1
Paymaster 280	93					70	1
PhytoGen PSC556	83					62	1
Stoneville BXN 47	75					56	1